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Stable, biocompatible cosmetic or dermatological oil-in-water emulsions, containing fatty acids and alcohols, glycerides, ethoxylated esters, hydrogenated polyisobutene, non-polar lipids, consistency components and silicone oils

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Number of Countries: 025 Number of Patents: 002

Patent Family:

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Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Abstract (Basic): EP 1072247 A2

Abstract (Basic):

NOVELTY - Cosmetic or dermatological oil-in-water emulsion preparations (I) containing fatty acid(s), fatty acid mono- and/or diglyceride(s), ethoxylated fatty acid ester(s), hydrogenated polyisobutene, non-polar lipid(s), silicone oil(s), fatty alcohol(s) and lipophilic consistency source(s) having a melting pt. or drop point at least 30degreesC, is new.

DETAILED DESCRIPTION - Cosmetic or dermatological oil-in-water emulsion preparations (I) contain (by weight):

- (a) 0.1-5% 14-22C fatty acid(s);
- (b) 0.2-10% fatty acid mono- and/or diglyceride(s);
- (c) 0.1-5% ethoxylated fatty acid ester(s);
- (d) 0.5-10% hydrogenated polyisobutene of molecular weight 100-4000;
- (e) 0.5-10% non-polar lipid(s);
- (f) 0.5-10% silicone oil(s);
- (g) 0.5-7.5% fatty alcohol(s); and
- (h) 0.5-7.5% lipophilic consistency source(s) having m.pt. or drop point at least 30degreesC.

The sum of the contents of (a)-(c) is at most 12%; The sum of the contents of (d)-(f) is at most 25%, and the lipid phase optionally contains up to 40% (based on this phase) of polar lipids.

USE - (I) is useful as a base for cosmetic preparations (e.g. cleaning emulsions, face- or body-care preparations or make-up) or topical medicinal compositions (e.g. for treating acne or other skin disorders). Typical formulations are creams, lotions or milks. (I) may be used in combination with a wide range of active agents, e.g. UV filters, antioxidants, deodorants, steroids, vitamins, plant extracts or refatting agents.

ADVANTAGE - (I) has high emulsion stability (even in the presence of high concentrations of electrolytes) and good stability against decomposition in both phases. It is biocompatible and well tolerated by the skin and has good skin care effects (especially moisturizing and smoothing actions). It has a pleasant feeling on the skin (i.e. is not sticky or greasy) and is an effective carrier for active agents. When used in make-up compositions (I) additionally has a matting effect. (I) may be formulated as free-flowing forms or creams.

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